

Listing of the claims:

1. (Currently Amended) An oven ~~having a rotatable portion, the rotatable portion comprising an outer chamber and an inner treatment chamber within the outer chamber, the inner treatment chamber being adapted to receive material for treatment and the oven further comprising means to heat the inner treatment chamber externally thereof~~ comprising:

a charging portion for receiving material to be treated;

a rotatable changeover portion comprising an outer chamber and an inner treatment chamber within the outer chamber;

and means to heat the inner treatment chamber externally thereof;

the oven being moveable between a first position in which the changeover portion is generally higher than the charging portion and a second position in which the charging portion is generally higher than the changeover portion;

the inner treatment chamber being adapted to receive material from the charging portion as the oven moves from the first position to the second position.

2. (Currently Amended) An oven as claimed in claim 1, ~~the oven further comprising a charging portion for receiving material to be treated and a changeover portion;~~

~~the oven being moveable between a first position in which the changeover portion is generally higher than the charging portion and a second position in which the charging portion is generally higher than the changeover portion;~~

~~in which the inner and outer treatment chambers are provided in the changeover portion, the inner treatment chamber being adapted to receive material from the charging portion as the oven moves from the first position to the second position~~ wherein means are provided for introducing a flow of hot gases through the outer treatment chamber so that, in use, the gases flow around at least part of the external surfaces of the inner treatment chamber to heat the inner treatment chamber externally.

3. (Cancelled.)
4. (Currently Amended) An oven as claimed in ~~any one of claim 1 to 3~~, further comprising means for introducing a flow of hot gases through the inner treatment chamber.
5. (Original) An oven as claimed in claim 4, in which the means for introducing a flow of hot gases comprises an array of inlet nozzles.
6. (Original) An oven as claimed in claim 5, in which the array of nozzles are located adjacent a first side wall of the inner treatment chamber.
7. (Original) An oven as claimed in claim 6, in which the means for introducing a flow of hot gases through the inner treatment chamber further comprises an outlet vent through which the gases can exit the inner treatment chamber.
8. (Original) An oven as claimed in claim 7, in which the outlet vent is located in a second side wall of the inner treatment chamber opposite from the first wall.
9. (Currently Amended) An oven as claimed in claim ~~6 or claim 7~~ ~~when dependent on claim 2~~, in which the outlet vent is positioned such that, in use, as the oven moves between the first and second positions, the material passing between the charging box and the inner treatment chamber does not fall through the outlet vent.
10. (Currently Amended) An oven as claimed in ~~any previous claim 1~~ ~~when dependent on claim 2~~, in which the oven is rotated in a first direction as it

moves from the first position to the second position and is rotated in the opposite direction as it moves from the second position to the first position.

11. (Currently Amended) An oven as claimed in ~~any one of claims 4 to 10, when dependent on claim 3;~~ claim 2 further comprising means for introducing a flow of hot gases through the inner treatment chamber, in which the oven further comprises a control means for regulating at least one of the flow ~~and/or~~ and the oxygen content of ~~gasses~~ gases passing through the outer treatment chamber.

12. (Currently Amended) An oven as claimed in claim 11 ~~when dependent on claim 4~~ in which the control means is also adapted to regulate at least one of the flow ~~and/or~~ and oxygen level of the ~~gasses~~ gases flowing through the inner treatment chamber independently of the gases flowing through the outer treatment chamber.

13. (Cancelled.)